In the Specification

Attached hereto on separate sheet is a replacement abstract.

Please insert the following headings into the specification:

Between paragraphs [0002] and [0003] insert "BACKGROUND OF THE INVENTION."

Between paragraphs [0007] and [0008] insert "SUMMARY OF THE INVENTION."

Between paragraphs [0032] and [0033] insert "BRIEF DESCRIPTION OF THE DRAWINGS."

Between paragraphs [0043] and [0044] insert "DETAILED DESCRIPTION OF THE INVENTION."

After paragraph [0059] insert the phrase "What is claimed is:"

Please amend the following paragraphs as follows:

Paragraph 45

Assembled as shown in **FIG. 1**, the inner disc **12** and the outer disc **13** are separated by a layer of rubber **16** which may be formed in situ. Rubber layer **16** may be comprised of one or more layers of various types of elastomeric materials. Rubber layer **16** may also have disposed within it an interleaved rigid layer, formed of thin metal, resin, glass fiber, or the like, as seen in **FIG. 3A**. The rubber layer **16** is bonded to each of the outer disc

13 and the inner disc **12** to allow relative movement therebetween. Each inner disc is provided with a central bore indicated generally at **17** to define a central lumen through the centre of the device to accommodate a power supply and control mechanism for a work head at an extremity of the arm. Each link **11** may be formed from a pair of "link halves" which are best indicated in **FIG. 2**. Each link half comprises an outer link member **13**, an inner link member **12** and a rubber disc or shell **16** adapted to be inserted between the two. The components may be bonded together to form a half link portion, which may then be joined together with adjacent components to form the continuous segment of links. It will be noted that the concave surface **21** of outer link element **13** is adapted to cooperate with the corresponding under surface (as shown in **FIG. 2**) of element **12**. The disc **16** is shaped to be accommodated between the two and the components may be bonded together. This can be best seen from **FIG. 3A** which shows a section through the bonded components.

Paragraph 47

Each segment ~~nay~~ may be provided with an end cap **30** (see **FIG. 4**) which is provided with peripheral spaced wire accommodating holes and with an enlarged recess **26** including an anchorage means ~~ferrule~~ **27** affixed to the end of a control wire **28**. Said anchorage means **27** could comprise, for example, a ferrule or cap. In assembling the device, the end cap **30** is secured to the adjacent outer disc portion **13** of the end link and the control wires **28** are threaded through the appropriate ~~recess~~ wire conduit means **26** in the end cap **30** and then through mating holes **25** in each of the outer disc

portions **13** for each link in the segment.

Paragraph 49

The ends of the wires are passed back ~~ee~~ to actuators and are tensioned until the ferrule **27** is brought against the back plate to maintain the assembly under tension. By tensioning the assembly in this way, it is possible to avoid the bonding of the components shown in FIGS. **5**, **6**, and **7**, the mating faces of the inner and outer discs may be appropriately grooved to accommodate a correspondingly profile rubber disc **16**. Rubber disc **16** may be comprised of one or more layers of various types of elastomeric materials. Rubber disc **16** may also have disposed within it an interleaved rigid layer, formed of thin metal, resin, glass fiber, or the like, as seen in **FIG. 5**. These grooves or profiling serves to key the disc **16** in position between the inner and outer discs **12** and **13** respectively and yet allows for movement of one with respect to the other in response to changes in tension in the control wires **28**. This avoids the need for bonding of the discs and allows for relatively easy replacement of damaged components within any given segment.